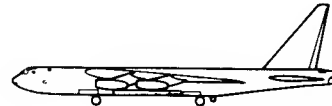
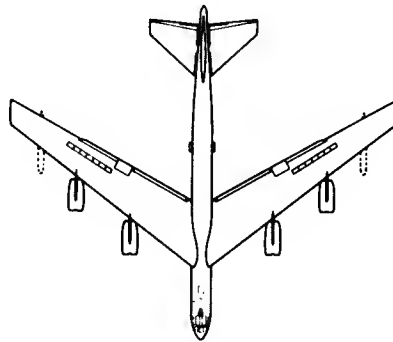


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SERVICE

Characteristics Summary

BOMBER B-52D



"STRATOFORTRESS"

BOEING

Wing Area 4000 sq ft Length 156.6 ft
Span 185.0 ft Height (overall) 48.3 ft
Height (fin folded) 20.8 ft

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

1. The B-52D airplane is same as RB-52C except that it does not have the bomb bay (Capsule) convertibility to a reconnaissance characteristic.
2. Delivery: Five B-52D airplanes are scheduled for delivery . . . Dec 56 (est)

Navy Equivalent: None

Mfr's Model: 464-201-6

POWER PLANT

(8) J57-P-19W
Pratt & Whitney
ENGINE RATINGS

S.L.S. LB - **RPM -MIN

Max: *12,100-6450/9900-5

Mil: 10,500-6150/9900-30

Nor: 9000-5900/9650-Cont

* Wet

** First figure represents low pressure spool; second figure represents high pressure spool.

Note: At present there are no requirements for ATO

FEATURES

Crew 6

Cabin Pressurization
Heating and Cooling
Thermal Anti-Icing
Braking Parachute
Quadricycle Landing Gear
Aerodynamic Spoilers (Air-brake)
Vertical Camera Station
Steerable Landing Gear
MA-6 Bombing-Nav. System
A-3A Fire Control System
Folding Fin

Max Fuel Cap: . . 42,110 gal

ARMAMENT

Turret 1
Guns . . . 4 x .50 cal (M-3)
Ammunition (tot) . 2400 rds

BOMBS:

No. Class (lb)

New Series
27(Family of Clusters) 1000
Special Weapons

1 30,000
2 8600

Max Bomb Load:

. 1 x 43,000 lb

Note: Structural provisions for 50,000 lb bomb; space and structural provisions for XB-63

CLASSIFICATION CANCELLED
(OR CHANGED TO *Unclassified*)

BY AUTHORITY OF *Declassification Authority*

BY *John E. Anderson* (NAME & GRADE OF INDIVIDUAL MAKING CHANGE) (DATE) *20 Apr 57*

4. R. Anderson 29 Mar 67

U.S. D. 7 5 Nov 10

Replaced by B-52C and D 11 Apr 56

5 OCT 54

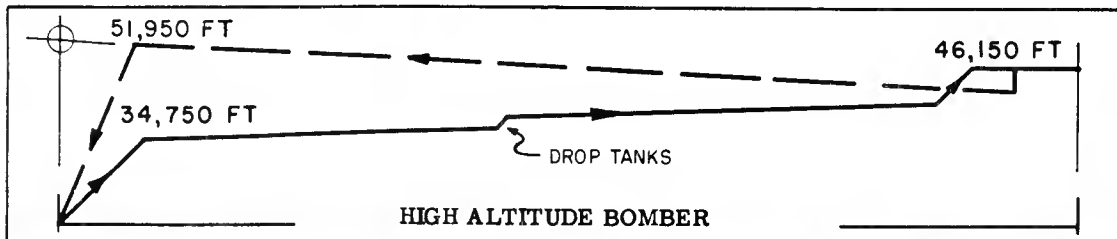
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B-52D

55 WP

1658

Characteristics Summary Basic Mission B-52D



PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D
3625 naut. mi with 10,000 lb payload at 457 knots avg. in 15.93 hours.	7260 ^(c) naut. mi with 42,110 gal fuel at 457 knots avg. in 15.93 hours at 447,500 lb T.O. wt.	COMBAT 489 knots at 46,150 ft alt, max power MAX 546 ^(b) knots at 20,000 ft alt, max power BASIC 518 knots at 35,000 ft alt, max power
C L I M B	C E I L I N G	TAKE - OFF (d)
2240 fpm sea level, take-off weight normal power	38,050 ft 100 fpm, take-off weight normal power	ground run 8350 ft no assist — ft assisted
5430 fpm sea level, combat weight maximum power	47,350 ft 500 fpm, combat weight maximum power	over 50 ft height 10,650 ft no assist — ft assisted
L O A D	W E I G H T S	STALLING SPEED
Bombs 10,000 lb Ammunition: 2400 rds/.50 cal Fuel: 40,956 gal protected 63% droppable 15% external 15%	Empty..... 165,110 lb Combat... 279,900 lb Take - off 450,000 lb limited by structure	136 knots power-off, landing configuration, take-off weight TIME TO CLIMB —

NOTES

1 Performance Basis:

(a) Preliminary flight test of XB-52 and YB-52.

(b) Limited by structure

(c) Tanks carried all the way

(d) Per design criteria the minimum take-off distances are: 7800 ft ground run and 10,000 ft over 50 ft obstacle.

Revision Basis: To reflect latest performance and characteristics data.